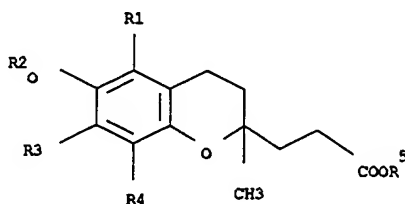


CLEAN VERSION OF AMENDED CLAIMS - 02.0050/52049

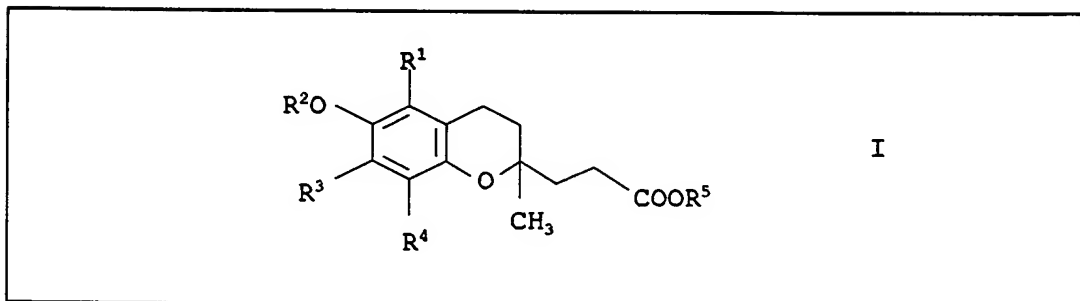
4. The use as claimed in claim 1 for prophylaxis against aging processes of the human skin.
6. The use as claimed in claim 1 for prophylaxis against aging processes of human hair.
7. The use as claimed in claim 1, wherein at least one of the compounds of the formula I is present in an effective content in cosmetic preparations.
9. A cosmetic preparation for protecting the human epidermis or human hair, which comprises, in a cosmetically suitable carrier, a cosmetically effective amount of at least one of the compounds of the formula I



in which the substituents R¹ to R⁵ have the meanings defined according to claim 1.

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1. The use of chroman derivatives of the formula I,



in which the substituents, independently of one another, have the following meanings:

R¹ is hydrogen, C₁-C₁₂-alkyl,

R² is hydrogen, C₁-C₁₂-acyl,

R³ and R⁴

are hydrogen, C₁-C₁₂-alkyl,

R⁵ is hydrogen, C₁-C₁₂-alkyl, aryl

in cosmetic or dermatological preparations.

2. The use of chroman derivatives as claimed in claim 1, in which

R¹ is hydrogen, C₁-C₃-alkyl,

R² is hydrogen, C₁-C₃-acyl,

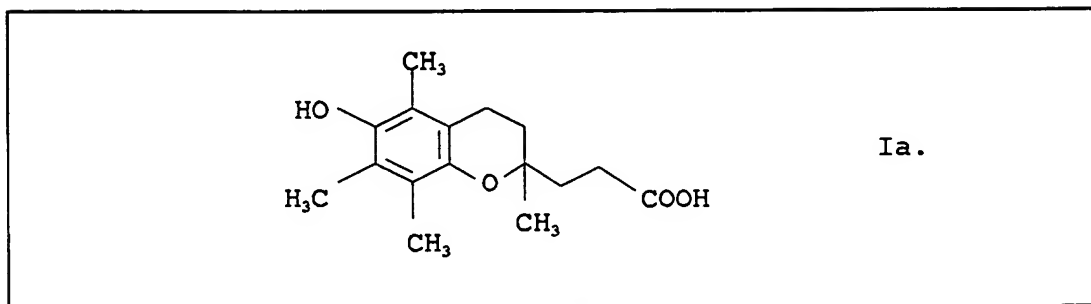
R³ and R⁴

are C₁-C₃-alkyl and

R⁵ is hydrogen, C₁-C₃-alkyl.

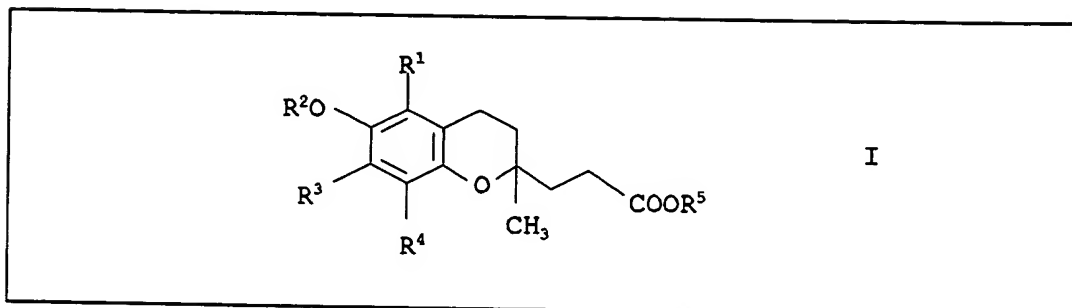
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3. The use of a chroman derivative as claimed in claim 1 having the formula Ia



4. The use as claimed in claim 1 for prophylaxis against aging processes of the human skin.
5. The use as claimed in claim 4 for prophylaxis against dry skin, wrinkle formation and/or pigment disorders.
6. The use as claimed in claim 1 for prophylaxis against aging processes of human hair.
7. The use as claimed in claim 1, wherein at least one of the compounds of the formula I is present in an effective content in cosmetic preparations.
8. The use as claimed in claim 7, wherein at least one of the compounds of the formula I is present in concentrations of from 0.01 to 30% by weight, based on the total amount of the cosmetic preparation.
9. A cosmetic preparation for protecting the human epidermis or human hair, which comprises, in a cosmetically suitable carrier, a cosmetically effective amount of at least one of the compounds of the formula I

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in which the substituents R¹ to R⁵ have the meanings defined according to claim

1.

10. A cosmetic preparation as claimed in claim 9, comprising a cosmetically effective amount of the compound of the formula Ia

